

RECEIVED
CENTRAL FAX CENTER

NOV 05 2007

1. (Currently Amended) A heating device for a vehicle, comprising:

a burner means ~~(42; 42a)~~ for producing combustion heat,

a heat exchanger means ~~(16; 16a)~~ for transferring combustion heat produced in the burner means ~~(42; 42a)~~ to medium to be heated,

wherein the heat exchanger means ~~(16; 16a)~~ has a first heat exchanger region ~~(56; 56a)~~ for transferring combustion heat to a gaseous first medium to be heated and a second heat exchange region ~~(70; 70a)~~ for transferring combustion heat to a liquid second medium to be heated,

wherein the heat exchanger means ~~(16; 16a)~~ has a heat exchanger body ~~(40; 40a)~~ with a combustion exhaust gas conducting space ~~(44)~~ provided therein and surrounded by the heat exchanger body for receiving combustion heat from the combustion exhaust gases flowing through the combustion exhaust gas conducting space ~~(44)~~,

wherein furthermore

the first heat exchanger region ~~(56; 56a)~~ has numerous heat transfer ribs ~~(62; 62a)~~ provided on the outside of the heat exchanger body ~~(40; 40a)~~ and respectively providing heat transfer surfaces ~~(64; 64a)~~, and the second heat exchanger region ~~(70; 70a)~~ has a flow duct means ~~(72; 72a)~~ for the second medium to be heated,

the flow duct means ~~(78a)~~ includes at least one medium conducting duct ~~(80a; 82a)~~ running in the region of the heat transfer ribs ~~(62a)~~,

and wherein

the at least one medium conducting duct ~~(80a; 82a)~~ passes at least partially through at least a portion of the heat transfer ribs ~~(62a)~~.

2. (Currently Amended) The heating device according to claim 1, wherein the heat transfer ribs ~~(62; 62a)~~ are at least partially formed separately from the heat exchange body ~~(40; 40a)~~ and are in heat transfer connection with ~~this~~ the heat exchange body.
3. (Currently Amended) The heating device according to claim 1, wherein the flow duct means ~~(72)~~ includes a medium conducting channel ~~(72)~~ formed in the heat exchange body ~~(40)~~.
4. (Currently Amended) The heating device according to claim 3, wherein the medium conducting channel ~~(72)~~ includes numerous medium conducting channel regions.
5. (Previously Presented) The heating device according to claim 4, wherein at least a portion of the medium conducting channel regions is selectively releasable for through flow.
6. (Currently Amended) The heating device according to claim 3, wherein the medium conducting channel ~~(72)~~ extends in the heat exchange body ~~(40)~~ approximately parallel to the combustion exhaust gas conducting space ~~(44)~~.
7. (Currently Amended) The heating device according to claim 1, wherein at least one medium conducting duct ~~(80; 82a)~~ passes plural times through at least a portion of the heat transfer ribs ~~(62a)~~.
8. (Currently Amended) The heating device according to claim 1, wherein it has a housing means ~~(30; 30a)~~ conducting the first medium to be heated, the heat exchanger means ~~(16; 16a)~~ being substantially arranged in the housing means ~~(30; 30a)~~ and the burner means ~~(42; 42a)~~ being substantially arranged outside the housing means ~~(30; 30a)~~.

9. (Currently Amended) The heating device according to claim 1, wherein none of the heat exchanger regions (~~56, 70; 56a, 70a~~) requires, for heating the medium to be heated therein, the medium to be heated in the other heat exchange region (~~70, 56; 70a, 56a~~).
10. (Currently Amended) The heating device for a vehicle, including a heating device (~~12, 12a~~) according to claim 1, wherein an air flow region supplies air to be heated and introduced into a vehicle interior to the first heat exchanger region (~~56; 56a~~) of the heat exchanger means (~~16; 16a~~) by means of a first forwarding means (~~18~~) as the first medium to be heated and a conditioning medium flow region (~~26~~) supplies conditioning means of a drive assembly (~~20~~) to the second heat exchange region (~~70; 70a~~) by means of a second forwarding means (~~28~~) as the second medium to be heated.
11. (Currently Amended) The heating device according to claim 2, wherein the flow duct means (~~72~~) includes a medium conducting channel (~~72~~) formed in the heat exchange body (~~40~~).
12. (Currently Amended) The heating device according to claim 4, wherein the medium conducting channel (~~72~~) extends in the heat exchange body (~~40~~) approximately parallel to the combustion exhaust gas conducting space (~~44~~).
13. (Currently Amended) The heating device according to claim 5, wherein the medium conducting channel (~~72~~) extends in the heat exchange body (~~40~~) approximately parallel to the combustion exhaust gas conducting space (~~44~~).